
Diagnosed with Cancer

***Definition:** Respondents who have been diagnosed with cancer in the last 12 months.*

Prevalence of Diagnosed with Cancer

- South Dakota 1.9%
- There is no nationwide median for diagnosed with cancer

Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for diagnosed with cancer.

Trend Analysis

This was the first year this question was asked so no trend could be done.

Demographics

Gender	There is no significant gender difference regarding the prevalence of diagnosed cancer or for any demographic group between the two.
Age	The prevalence of diagnosed cancer generally increases as age increases. This includes a significant increase as the 45-54 age group is reached.
Race	There is no significant racial difference demonstrated by the available data.
Region	There are no significant regional differences exhibited by the available data. However, males in the west region do show a high prevalence of diagnosed cancer while males in the southeast region show a very low prevalence.
Household Income	There seems to be no strong association with the prevalence of diagnosed cancer as it relates to household income.
Education	There seems to be no strong association with the prevalence of diagnosed cancer as it relates to education level.
Employment Status	Those who are retired or unable to work demonstrate a very high prevalence of diagnosed cancer, while those who are employed for wages, self-employed, or a homemaker show a very low prevalence.
Marital Status	Those who are widowed exhibit a very high prevalence of diagnosed cancer while those who are married or have never been married show a very low prevalence.

Table 47
Respondents Who Have Been Diagnosed with Cancer, 2006

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	6,389	1.9	(1.6-2.3)	2,464	2.0	(1.5-2.6)	3,925	1.9	(1.5-2.4)
Age									
18-24	250	0.0	-	104	0.0	-	146	0.0	-
25-34	709	1.5	(0.8-2.8)	274	0.7	(0.2-3.3)	435	2.2	(1.1-4.5)
35-44	994	0.5	(0.2-1.1)	398	0.1	(0.0-0.5)	596	0.9	(0.4-2.2)
45-54	1,364	2.0	(1.2-3.1)	564	1.9	(0.9-3.6)	800	2.1	(1.1-3.8)
55-64	1,128	2.1	(1.3-3.2)	471	2.6	(1.4-4.7)	657	1.5	(0.8-2.8)
65-74	910	3.6	(2.4-5.4)	341	4.3	(2.4-7.5)	569	3.1	(1.8-5.3)
75+	977	6.4	(4.7-8.6)	294	9.4	(6.2-14.1)	683	4.5	(2.9-6.9)
Race									
White	5,718	1.9	(1.6-2.4)	2,216	1.9	(1.4-2.5)	3,502	2.0	(1.5-2.6)
American Indian	483	2.2	(1.0-5.0)	173	3.4	(1.2-9.3)	310	1.1	(0.4-2.8)
Region									
Southeast	1,423	1.6	(1.1-2.3)	549	1.1	(0.6-2.1)	874	2.0	(1.2-3.3)
Northeast	1,553	1.7	(1.2-2.6)	582	1.6	(0.8-3.1)	971	1.9	(1.1-3.0)
Central	1,305	2.0	(1.4-3.0)	506	2.3	(1.4-3.9)	799	1.8	(1.0-2.9)
West	1,463	2.7	(2.0-3.7)	568	3.6	(2.3-5.5)	895	1.9	(1.2-2.8)
American Indian Counties	645	2.1	(1.2-3.7)	259	2.6	(1.2-5.5)	386	1.6	(0.7-3.7)
Household Income									
Less than \$10,000	299	1.8	(0.8-4.1)	*	*	*	*	*	*
\$10,000-\$14,999	382	1.9	(0.8-4.2)	106	1.9	(0.4-9.3)	276	1.8	(0.7-4.5)
\$15,000-\$19,999	479	3.7	(2.2-6.2)	151	3.9	(1.6-9.2)	328	3.5	(1.8-6.7)
\$20,000-\$24,999	537	3.1	(1.7-5.6)	194	3.6	(1.6-8.3)	343	2.6	(1.1-6.0)
\$25,000-\$34,999	876	1.5	(0.9-2.4)	374	1.8	(1.0-3.4)	502	1.1	(0.5-2.2)
\$35,000-\$49,999	1,096	2.1	(1.4-3.2)	466	2.7	(1.5-4.8)	630	1.5	(0.8-2.6)
\$50,000-\$74,999	1,001	1.7	(1.1-2.8)	461	1.7	(0.9-3.3)	540	1.7	(0.9-3.4)
\$75,000+	887	1.2	(0.6-2.3)	441	0.8	(0.4-1.8)	446	1.7	(0.7-4.2)
Education									
8th Grade or Less	264	2.3	(0.9-5.5)	111	3.3	(1.0-10.2)	153	1.3	(0.4-4.0)
Some High School	319	2.1	(1.1-4.3)	122	1.2	(0.3-4.7)	197	3.0	(1.3-6.8)
High School or G.E.D.	2,047	2.3	(1.6-3.1)	817	2.6	(1.6-4.0)	1,230	1.9	(1.2-3.1)
Some Post-High School	1,783	2.0	(1.4-2.8)	629	2.0	(1.2-3.4)	1,154	1.9	(1.2-3.0)
College Graduate	1,964	1.5	(1.1-2.2)	777	1.3	(0.8-2.3)	1,187	1.7	(1.1-2.7)
Employment Status									
Employed for Wages	3,115	1.0	(0.7-1.5)	1,166	1.0	(0.5-1.7)	1,949	1.1	(0.7-1.7)
Self-employed	878	1.7	(1.0-2.9)	571	2.2	(1.3-3.9)	307	0.4	(0.1-1.3)
Unemployed	171	1.0	(0.1-6.8)	*	*	*	*	*	*
Homemaker	387	1.5	(0.6-3.7)	*	*	*	*	*	*
Retired	1,489	5.5	(4.2-7.0)	522	6.4	(4.4-9.2)	967	4.7	(3.3-6.6)
Unable to Work	257	6.6	(3.6-11.7)	92	4.9	(1.7-12.8)	165	7.9	(3.8-15.8)
Marital Status									
Married/Unmarried Couple	3,813	1.9	(1.5-2.4)	1,616	2.2	(1.6-3.1)	2,197	1.6	(1.1-2.3)
Divorced/Separated	829	2.4	(1.4-4.1)	313	2.1	(1.0-4.0)	516	2.7	(1.3-5.6)
Widowed	995	4.8	(3.4-6.8)	145	8.9	(4.3-17.3)	850	4.0	(2.7-5.9)
Never Married	732	0.7	(0.3-1.5)	382	0.4	(0.1-1.3)	350	1.0	(0.4-2.9)

Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

Further Analysis

Following are data illustrating the percent of respondents who have been diagnosed with cancer for various health behaviors and conditions. For example, 7.0 percent of respondents who stated they have fair or poor health status have been diagnosed with cancer, while 1.3 percent of respondents who have excellent, very good, or good health status have been diagnosed with cancer.

Table 48
Diagnosed with Cancer for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Diagnosed with Cancer	95% CI
Obese (BMI = 30.0+)	1,634	1.9	1.3-2.7
Overweight (BMI = 25.0-29.9)	2,338	1.8	1.3-2.5
Recommended Weight (BMI = 18.5-24.9)	2,013	2.0	1.5-2.7
No Leisure Time Physical Activity	1,649	2.4	1.7-3.4
Leisure Time Physical Activity	4,734	1.8	1.5-2.3
Not Heard of "Healthy South Dakota" Program	3,892	1.7	1.3-2.2
Heard of "Healthy South Dakota" Program	2,414	2.4	1.8-3.2
Current Smoker	1,192	2.0	1.3-3.2
Former Smoker	1,762	3.0	2.2-3.9
Never Smoked	3,422	1.4	1.1-1.9
Smokeless Tobacco Use	298	0.4	0.1-1.7
No Smokeless Tobacco Use	6,088	2.0	1.7-2.5
Diabetes	577	4.3	2.7-6.8
No Diabetes	5,810	1.8	1.5-2.2
Current Asthma	462	2.0	1.0-4.0
Former Asthma	168	0.7	0.2-2.9
Never Had Asthma	5,726	2.0	1.6-2.4
No Mammogram within Past Two Years (40+)	764	1.5	0.7-3.1
Mammogram within Past Two Years (40+)	2,238	2.6	1.9-3.5
No Clinical Breast Exam within Past Two Years	846	1.1	0.5-2.3
Clinical Breast Exam within Past Two Years	3,036	2.1	1.6-2.8
No Pap Smear within the Past Three Years	494	0.8	0.3-1.7
Pap Smear within the Past Three Years	2,348	1.7	1.3-2.4
No PSA Test within the Past Two Years (40+)	772	2.4	1.4-4.1
PSA Test within the Past Two Years (40+)	1,036	3.9	2.8-5.3
No Digital Rectal Exam within the Past Two Years (40+)	819	2.3	1.4-3.9
Digital Rectal Exam within the Past Two Years (40+)	1,050	3.8	2.8-5.2
Prostate Cancer (40+)	100	27.3	18.6-38.1
No Prostate Cancer (40+)	1,791	2.0	1.4-2.9
No Blood Stool Test within the Past Two Years (50+)	2,764	3.3	2.5-4.2
Blood Stool Test within the Past Two Years (50+)	852	4.3	3.0-6.1
Never Had a Sigmoidoscopy or Colonoscopy (50+)	1,616	2.9	2.0-4.2
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	2,049	3.8	3.0-4.9
Drank Alcohol in Past 30 Days	3,266	1.7	1.3-2.3
No Alcohol in Past 30 Days	3,112	2.2	1.7-2.9
Binge Drinker	836	0.9	0.4-2.0
Not a Binge Drinker	5,414	2.2	1.8-2.7
Heavy Drinker	199	1.4	0.4-4.4
Not a Heavy Drinker	6,040	2.0	1.6-2.4
No Health Insurance (18-64)	400	0.6	0.2-1.5
Health Insurance (18-64)	4,008	1.3	1.0-1.7
Employer Based Health Insurance Coverage (18-64)	2,707	1.1	0.8-1.6
Private Health Insurance Plan (18-64)	566	0.8	0.3-1.9
Medicare (18-64)	122	6.9	2.9-15.9
Medicaid or Medical Assistance (18-64)	167	1.9	0.6-5.6
The Military, CHAMPUS, TriCare, or the VA (18-64)	170	2.5	0.8-7.2
The Indian Health Service (18-64)	220	0.9	0.3-2.8
No Flu Shot (65+)	501	4.1	2.4-6.7
Flu Shot (65+)	1,382	5.4	4.1-7.1
No Pneumonia Shot (65+)	629	3.7	2.1-6.2
Pneumonia Shot (65+)	1,198	6.0	4.5-7.8

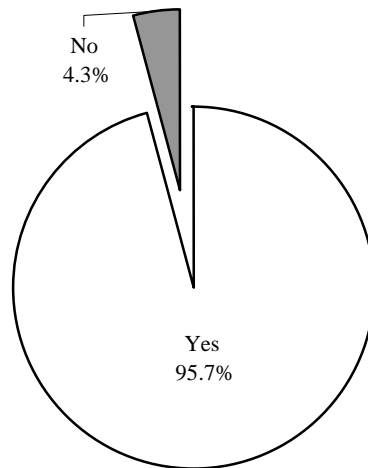
Table 48 (continued)
Diagnosed with Cancer for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Diagnosed with Cancer	95% CI
Haven't Been to the Dentist in the Past Year	2,036	2.1	1.5-2.9
Been to the Dentist in the Past Year	4,331	1.9	1.5-2.4
Not Taking any Precautions Against West Nile Virus	2,746	1.8	1.3-2.4
Taking Precautions Against West Nile Virus	3,625	2.1	1.6-2.6
Sometimes/Seldom/Never Wear Seat Belt	1,117	1.7	1.1-2.7
Always/Almost Always Wear Seat Belt	5,262	2.0	1.6-2.4
Previously Had a Heart Attack	426	6.4	4.1-10.1
Never Had a Heart Attack	5,941	1.7	1.4-2.1
Have Angina or Coronary Heart Disease	374	5.6	3.5-8.7
Do Not have Angina or Coronary Heart Disease	5,962	1.7	1.4-2.1
Previously Had a Stroke	236	6.5	3.3-12.4
Never Had a Stroke	6,147	1.8	1.5-2.2
Fair or Poor Health Status	951	7.0	5.2-9.2
Excellent, Very Good, or Good Health Status	5,418	1.3	1.0-1.6
Physical Health Not Good for 30 Days of the Past 30	415	7.0	4.6-10.7
Physical Health Not Good for 0-29 Days of the Past 30	5,859	1.6	1.3-2.0
Mental Health Not Good for 20-30 Days of the Past 30	341	3.2	1.6-6.3
Mental Health Not Good for 0-19 Days of the Past 30	5,955	1.8	1.5-2.2
Usual Activities Unattainable for 10-30 Days of the Past 30	435	6.1	4.0-9.3
Usual Activities Unattainable for 0-9 Days of the Past 30	5,897	1.7	1.4-2.1
Dissatisfied / Very Dissatisfied with Life	233	3.9	1.8-8.1
Satisfied / Very Satisfied with Life	6,121	1.8	1.5-2.2
Physical, Mental, or Emotional Disability	1,482	3.5	2.6-4.7
No Physical, Mental, or Emotional Disability	4,886	1.6	1.2-2.0
Disability with Special Equipment Needed	516	3.7	2.3-6.0
No Disability with Special Equipment Needed	5,870	1.8	1.5-2.2
Injured in a Fall (45+)	228	2.3	0.8-6.2
Not Injured in a Fall (45+)	4,180	3.2	2.6-3.9
Never Been Tested for HIV (18-64)	3,500	1.2	0.9-1.6
Been Tested for HIV (18-64)	883	1.2	0.7-2.2
Military Veteran	956	3.4	2.3-4.8
Not a Military Veteran	5,428	1.7	1.4-2.1

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

When respondents were asked if they sought or planned to seek treatment for this cancer, the majority, 95.7 percent, said yes. Figure 39, below, display this.

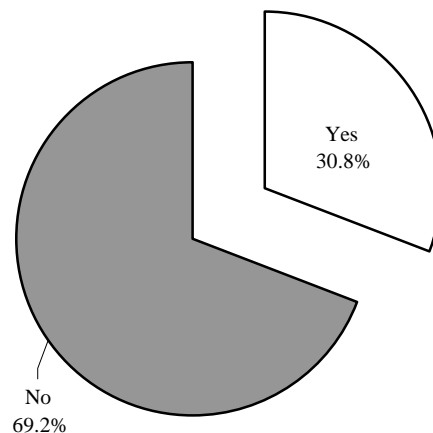
Figure 39
Respondents Who Sought or Plan to Seek Treatment of This Cancer, 2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

An advanced directive is a document that tells those who may care for you in a medical crisis how you want to be treated. The majority of respondents, 69.2 percent, answered no when asked if they have an advanced directive. Figure 40, below, displays this.

Figure 40
Percent of Respondents Who Have an Advanced Directive, 2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006